

Deodorizing method originated from Mother Nature. Works instantly on all kinds of odor.

Today, the desire for a comfortable living environment is strong, and social standards against environmental odor have become stricter than ever. In such a "New Clean Era", Airkem is the answer for odor problems around industrial plant to restaurants, a low cost, industrial strength, natural based counteractant and deodorizer of the new era. Because Airkem is made of nontoxic natural essential oils, there are no safety concerns.



Characteristics of Airkem

Made of natural essential oils.

Airkem is made of a combination of 125 natural essential oils that are effective in neutralizing odor. It is not only noncombustible, nontoxic and has no irritant action, but has good biodegradability. So there are no safety concerns.

Airkem is different from aromatics that smother odor with stronger fragrance.

Not a masking agent that covers up bad odor with stronger smell. Airkem is sure to lower odor sensitivity levels by applying the principle called neutralizing deodorization that neutralizes and cancels malodors.

Widely effective on all kinds of odor.

Airkem can be applied widely to various malodors, from rot odor to stench from chemical substances. We have been maintaining good reputation in providing Airkem to various fields in the industry.

Works instantly with low running cost.

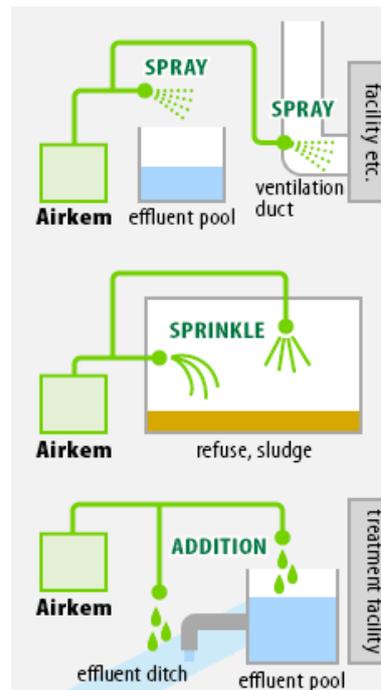
Airkem works immediately, shows sufficient and instantaneous effect on usage, and only a necessary amount may be applied when necessary. Compared to deodorization systems, Airkem deodorization equipment takes less room, less installation cost and less running cost.



Deodorization by "Airkem".

Airkem's principle for removing odor is a method called neutralizing deodorization. By the suitable combination of specific organic compounds, the odor of the compounds are cancelled, resulting in weaker odor levels or even reduced to odorless.

Application methods



Spraying method

Airkem is sprayed into exhaust ducts or in the air near the source of smell. Airkem works by acting against the odor substance in the air.

Sprinkling method

Directly sprinkled on malodor sources such as refuse or sludge, using a sprinkler or nozzle. Airkem works by acting against the odor substance in the odor source.

Addition method

Directly added using a pump to treatment process such as aeration pools and effluent ditches. Airkem works by acting against the odor substance in the effluent.

• Ask your Airkem representative for advice and various apparatus available for using Airkem.

Standard dilution methods and application rates

Spraying / dilute to 5~50x

Sprinkling / dilute to 10~100x

Addition / add 500~5000ppm without dilution

※ This is only an example of a basic application and dilution of Airkem.

Examples of application



■ Full automatic Airkem spraying unit



■ Spraying into an exhaust duct.



■ Spraying in the air.



■ Sprinkling directly on to the source of smell.

List of major products

Airkem product number	target odor	applicable type of industry																	
		livestock	stock feed, fertilizer	marine and livestock product processing	food	chemical	painting, printing	textile	construction material	leather	rubber	pulp, paper	steel	casting	sludge drying	sewer, sewage disposal	garbage disposal	construction site, landfill	living room, dressing room
105	burnt organic matter, tar, asphalt, phenol, protein and fat, smell of carbohydrates		●	●				●			●		●	●					
153	hydrogen sulfide, amine, aldehyde, acetate, phenol, fatty acid, acetic acid				●	●		●				●					●		●
188	hydrogen sulfide, mercaptan, amine, unsaturated oil and fat, anaerobic odor, rot odor	●	●	●	●			●		●	●	●	●			●	●	●	
191	hydrogen sulfide, mercaptan, methyl sulfide, indole, skatole, fatty acid, anaerobic odor, rot odor, sewage odor	●	●	●	●					●						●	●	●	
198	hydrogen sulfide, mercaptan, methyl sulfide, amine, ketone, acetate, aldehyde, phenol, fatty acid, onion odor, garlic odor				●	●	●	●	●		●	●	●		●	●	●	●	
501	ammonia, living room, rot protein odor, pungent smell	●				●										●	●	●	
502	cigarette, body odor, alcohol, ketone, burnt plastics					●	●		●										●
661M 662M 663M 665M	burnt organic matter, hydrogen sulfide, ammonia, phenol, aldehyde		●			●		●	●		●		●					●	
768F 768G 768L	hydrogen sulfide, mercaptan, amine, unsaturated oil and fat, anaerobic odor, rot odor	●	●	●	●			●		●	●	●	●			●	●	●	
951NK	lacquer, oil, aldehyde, phenol, alcohol, ketone, dry cleaning					●	●											●	
C103 [※]	fish meat drying odor, oil and fat refining odor, meat storage odor		●	●	●					●				●					
M500 [※] M610	burnt organic matter, hydrogen sulfide, ammonia, musty odor, phenol, amine, aldehyde, rot odor	●	●	●	●	●		●				●	●	●	●	●	●	●	

※ The trade name of C103, M500 and M610 is Ameniclean.

Package : 18kg rectangular steel cans or 200kg drums



<http://www.dcc-web.co.jp/>

R&D DIVISION PHONE **+81-75-326-7675**

5 Ogawara-cho, Kisshoin, Minami-ku, Kyoto 601-8391 JAPAN

TOKYO OFFICE PHONE **+81-3-3275-0567**

9th Floor Yaesuguchi Daiel Building, 1-3-1 Kyobashi, Chuo-ku, Tokyo 104-0031 JAPAN

OSAKA OFFICE PHONE **+81-6-6229-1755**

2nd Floor Osaka Asahi Seimei Kan, 4-2-16 Koraibashi, Chuo-ku, Osaka 541-0043 JAPAN

Handling Precaution

Avoid direct sunlight, and store in a cool dark place

Notice

1. The data listed herein are based on experimental data obtained in the laboratory, and do not guarantee results at actual application sites. Please check how Airkem works under the condition of use, before using on site.
2. The data listed herein may be revised without notice.